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APPLICATION NO.	FI	LING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/993,492 11/27/200		11/27/2001	Hongyong Zhang	740756-2394	1546	
22204	7590	07/15/2003				
NIXON PEABODY, LLP				EXAMINER		
SUITE 800					KEBEDE, BROOK	
MCLEAN, '	VA 22102	2		ART UNIT	PAPER NUMBER	
				2823		
				DATE MAILED: 07/15/2003		

Please find below and/or attached an Office communication concerning this application or proceeding.

· · ·			P					
	Application No.	Applicant(s)						
	09/993,492	ZHANG ET AL.						
Offic Acti n Summary	Examiner	Art Unit						
	Brook Kebede	2823						
The MAILING DATE of this communication appears n the cover sheet with the correspondence address Period for Reply								
A SHORTENED STATUTORY PERIOD FOR RITHE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CI after SIX (6) MONTHS from the mailing date of this communication - If the period for reply specified above is less than thirty (30) days, - If NO period for reply is specified above, the maximum statutory provided in the set of the period for reply will, by standard procedured by the Office later than three months after the earned patent term adjustment. See 37 CFR 1.704(b).	ON. FR 1.136(a). In no event, however, may a in. a reply within the statutory minimum of th eriod will apply and will expire SIX (6) MC statute, cause the application to become A	a reply be timely filed hirty (30) days will be considered timel DNTHS from the mailing date of this of ABANDONED (35 U.S.C. § 133).	y. ommunication.					
1) Responsive to communication(s) filed on	27 November 2001 .							
	This action is non-final.		,					
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.								
Disposition of Claims 4) Claim(a) 1.34 is/are pending in the applie	ation							
 4) ☐ Claim(s) <u>1-34</u> is/are pending in the applic 4a) Of the above claim(s) is/are with 								
,	idiawii iloiii consideration.							
5) Claim(s) is/are allowed.								
6) Claim(s) <u>1-34</u> is/are rejected.								
7) Claim(s) is/are objected to.	. II I H							
8) Claim(s) are subject to restriction a Application Papers	na/or election requirement.							
9) The specification is objected to by the Examiner.								
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.								
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
11) ☐ The proposed drawing correction filed on is: a) ☐ approved b) ☐ disapproved by the Examiner.								
If approved, corrected drawings are required in reply to this Office action.								
12)☐ The oath or declaration is objected to by the Examiner.								
Priority under 35 U.S.C. §§ 119 and 120								
13)⊠ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).								
a)⊠ All b)□ Some * c)□ None of:								
 Certified copies of the priority docur 	nents have been received.							
2. Certified copies of the priority docur	nents have been received in	Application No. <u>09/160,90</u>	<u>8</u> .					
 3. Copies of the certified copies of the application from the Internationa * See the attached detailed Office action for a 	al Bureau (PCT Rule 17.2(a))		Stage					
14) Acknowledgment is made of a claim for dor	nestic priority under 35 U.S.C	; § 119(e) (to a provisiona	l application).					
 a) The translation of the foreign language provisional application has been received. 15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121. 								
Attachment(s)								
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-944) 3) Information Disclosure Statement(s) (PTO-1449) Pages No.	8) 5) 🔲 Notice o	w Summary (PTO-413) Paper No of Informal Patent Application (PT						

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DETAILED ACTION

Priority

Acknowledgment is made of applicant's claim for foreign priority under 35
 U.S.C. 119(a)-(d). The certified copy has been filed in parent Application No. 09/160,908, filed on December 3, 1993.

Specification

2. The disclosure is objected to because of the following informalities:

The specification recites "boron-silicated glass such as **coning** No. 7059 (hereinafter referred to as **coning** 7059)" in page 2, lines 16 and throughout. It seems phrase "coning" is typo and applicants advised to change it to **--corning--**. Applicants advised to make appropriate similar changes throughout the specification. Appropriate correction is required.

3. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

The following title is suggested: --METHOD OF MANUFACTURING A THIN FILM TRANSISTOR DEVICE--.

Double Patenting

4. The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. See *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and, *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent is shown to be commonly owned with this application. See 37 CFR 1.130(b).

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Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

5. Claims 1-34 are rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1-27 of U.S. Patent No. 5,403,72. Although the conflicting claims are not identical, they are not patentably distinct from each other because of the following reasons:

The claimed subject matter of the instant application, i.e., "A method of manufacturing a semiconductor device comprising the steps of: forming a semiconductor film comprising silicon over a substrate; first crystallizing the semiconductor film comprising silicon in an atmosphere comprising oxygen; and second crystallizing the semiconductor film comprising silicon in an atmosphere comprising hydrogen," as recited in claim1, "A method of manufacturing a semiconductor device comprising the steps of: forming a semiconductor film comprising silicon over a substrate; first crystallizing the semiconductor film comprising silicon in an atmosphere comprising oxygen; and second crystallizing the semiconductor film comprising silicon in an atmosphere comprising nitrogen," as recited in claim 6, "A method of manufacturing a semiconductor device comprising the steps of: forming a semiconductor film comprising silicon over a substrate; first crystallizing the semiconductor film comprising silicon in an atmosphere comprising oxygen; and second crystallizing, the semiconductor film comprising silicon in an atmosphere comprising hydrogen, wherein each of the first and the second crystallizing steps is conducted at a temperature between 500 and 800°C," as recite in claim 11, "A method of manufacturing a semiconductor device comprising the steps of: forming a semiconductor film comprising silicon over a substrate; first crystallizing the semiconductor film comprising silicon Application/Control Number: 09/993,492

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in an atmosphere comprising oxygen; and second crystallizing -the semiconductor film comprising silicon in an atmosphere comprising nitrogen, wherein each of the first and the second crystallizing steps is conducted at a temperature between 500 and 800 °C," as recited in claim 16, "A method of manufacturing a semiconductor device comprising the steps of: forming a semiconductor film comprising silicon over a substrate; selectively forming a cover film over the semiconductor film comprising silicon; first crystallizing the semiconductor film comprising silicon in an atmosphere comprising oxygen; and second crystallizing the semiconductor film comprising silicon in an atmosphere comprising hydrogen," as recited in claim 21, and "A method of manufacturing a semiconductor device comprising the steps of forming a semiconductor film comprising silicon over a substrate; selectively forming a cover film over the semiconductor film comprising silicon; first crystallizing the semiconductor film comprising silicon in an atmosphere comprising oxygen; and second crystallizing the semiconductor film comprising silicon in an atmosphere comprising nitrogen," as recited in claim 28, is claimed in claims 1-27 of U.S. Patent 5,403,772.

Furthermore, the claimed limitations of claims 2-5, 7-10, 12-15, 17-20, 22-27, and 29-34 within the scope of the claimed limitations in claims 1-27 of U.S. Patent 5,403,772.

Claims 2-5, 7-10, 12-15, 17-20, 22-27, and 29-34 also rejected as being dependent of the rejected independent base claims.

Conclusion

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure Yamazaki et al. (US/5,296,405), Yamazaki et al. (US/5,313,076), Yamazaki et al. (US/5,692,869), Yamazaki et al. (US/6,177,302), Yamazaki et al. (US/6,261,877), Yamazaki et al. (US/6,26

al. (US/6,271,066), Yamazaki et al. (US/6,423,586), and Zhang (US/6,486,495) also disclose

similar inventive subject matter.

Correspondence

7. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Brook Kebede whose telephone number is (703) 306-4511. The

examiner can normally be reached on 8-5 Monday to Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Olik Chaudhuri can be reached on (703) 306-2794. The fax phone numbers for the

organization where this application or proceeding is assigned are (703) 308-7722 for regular

communications and (703) 308-7722 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding

should be directed to the receptionist whose telephone number is (703) 308-0956.

Brook Kebede

July 3, 2003

W. David Coleman Primary Examiner